

Curriculum Vitae



Mr. **Jitendra Kumar** is a Graduate in Mechanical Engineering from College of Technology Pantnagar (G. B. Pant University of Agriculture and Technology) and M.Tech in Thermal Engineering from Delhi Technological University, New Delhi. Presently working as an Assistant Professor in Mechanical and Automation Engineering Department GB Pant Engineering College Govt. of NCT of Delhi, New Delhi-110020

Presently working:

Assistant professor, GB Pant Engineering College Govt. of NCT of Delhi, New Delhi-20

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Previous Administrative Experiences:

1. **HOD (Mech)**, Shivalik College of Engineering Dehradun from August 2013 to May 2014.
2. **HOD (Mech)**, Dev Bhoomi Group of Institutions, Saharanpur Uttar Pradesh from July 2014 to Feb 2015.

Education:

1. **B.Tech**, college of technology (GBPUA&T) Pantnagar.
2. **M.Tech**, Delhi Technological University , New Delhi

Employment History:

1. Worked as a teaching assistant (TA) at College of Technology Pantnagar from Aug2006 to Feb 2007.
2. Assistant professor, Moradabad Institute of Technology Moradabad from 09 April 2007 to 22 July 2011.
3. Assistant professor, Shivalik College of Engineering Dehradun from August 2013 to May 2014.
4. HOD (Mech) & Assistant professor, Dev Bhoomi Group of Institutions ,Saharanpur Uttar Pradesh from July 2014 to Feb 2015.
5. Assistant professor, RIT Roorkee from Feb 2015 to Sep, 2015.
6. Assistant professor, Shivalik College of Engineering Dehradun from Sep, 2015 to January 2016.
7. Assistant professor, GB Pant Engineering College Govt. of NCT of Delhi, New Delhi-20 from 14 January, 2016 to till date.

Total experience : 10.5 yrs in Teaching & Administration

Administrative Responsibilities:

1. HOD (Mech), Shivalik College of Engineering Dehradun from August 2013 to May 2014.
2. HOD (Mech), Dev Bhoomi Group of Institutions, Saharanpur Uttar Pradesh from July 2014 to Feb 2015
3. Worked as a convener of MESS SOCIETY in MIT, Moradabad U.P
4. Worked as a member in OCDC centralized society of debate competition MIT Moradabad.
5. Member of academic cell (AICTE Incharge) from 2016 to till date.
6. Worked as a member of canteen committee 2016.
7. Member of examination cell in 2018.

UG Guided:

No. of UG Guidance = 15

Academic & Professional activities outside:

1. Key Note Addresses in national conferences.
2. M.Tech Examiner.

STC & FDP Attended :

1. Attended a faculty development programme on quality teaching to budding engineers (01/07/2007).
2. Attended one day workshop on faculty training & development organized by department of mechanical engineering on (05/05/2008).
3. Participated Two week GIAN COURSE at IIT Roorkee during October 23rd, 2017 to November 3rd, 2017.
4. Successfully participated in two day training on **Jawaharlal Nehru national solar mission (emerging trends & opportunities for career in solar) at New Delhi India at 18-19 August, 2011 at New Delhi India**
5. Attended two days workshop on finite element analysis of structures-substructure & multi-threaded during August 20-21, 2018.

National conferences :

1. Attended two days national conference organized by the mechanical department at MIT, Moradabad during (28 Feb. & 1 March, 2009).
2. Attended national conference (**Innovation and Advancement in Mechanical Engineering**) at Shobhit University Gangoh UP. Dated on 25 April, 2015.
3. Attended national conference (**Innovation and Advancement in Mechanical Engineering**) in Shobhit University Gangoh UP. Dated on April 29, 2017.

International

1. Presented paper "a study on various cooling technologies in

conferences :

- refrigeration: A Review” international conference of advance research and innovation (ICARI-2018) at institute of engineers, Delhi State Centre, New Delhi-02 on 28th January 2018. Paper Id: ICARI-ME-18-01-36.
2. Presented paper “Making skill India as an effective tool by creating Employment by reducing the working shift timing” 3rd international Conference on Advanced Production and Industrial Engineering, organized by (CAPIER) at Delhi Technological University, Delhi India during 5-6 October, 2018.

Symposium:

1. Successfully participated in the “**International Symposium on concentrated solar power (CSP): opportunities for India “on 23rd Jan, 2012 at Delhi Technological University Delhi, India.**

Achievement :

GATE QUALIFIED: 2005, 2006, 2009,2010,2011,2012, 2014, 2015

Area of interest:

Refrigeration and air Conditioning

Publications :

International journal

1. Theoretical Exergy Analysis of HFO-1234yf and HFO-1234ze as an Alternative Replacement of HFC-134a in Simple Vapour Compression Refrigeration System” International Journal of Scientific & Engineering Research, Volume 4, Issue 8, August-2013, ISSN 2229-5518 page no. 137-144
2. “Thermodynamic Analysis and Comparison for “COP” In Solid Adsorption Refrigeration Systems (BaCl₂-NH₃ & SrCl₂-NH₃)” International Journal of Scientific & Engineering Research, Volume 5, Issue 3, March-2014 , ISSN 2229-5518, page no. 444-450.
3. Exhaust Gas Analysis and Parametric Study of Ethanol Blended Gasoline Fuel in Spark Ignition Engine American Journal of Engineering Research (AJER) e-ISSN : 2320-0847 p-ISSN : 2320-0936, Volume-02, Issue-07, pp-191-201
4. Emission Characteristics of a Diesel Engine Using Soyabean Oil And Diesel Blends, International Journal of Research in Engineering and Technology (IJRET), ISSN: 2319 – 1163, Volume: 2 Issue: 5, 793 – 798
5. Performance Study of Ethanol Blended Gasoline Fuel in Spark Ignition Engine, *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684,p-ISSN: 2320-334X, Volume 7, Issue 3 (Jul. - Aug. 2013), PP 71-78.*
6. “Study of Talc Filled Polypropylene- A Concept for Improving Mechanical Properties of Polypropylene” International **Journal of Research in Engineering and Technology (IJRET)**, ISSN: 2319 – 1163, Volume: 2

Issue: 4, 411 – 415.

7. Metallurgical Investigations of Synergic MIG Welding of 304L Stainless Steel, International Journal of Advance Research and Innovation, ISSN 2347 – 3258, Volume 4, Issue3 (2016) 518-523.
8. Design and Fabrication of Multi Ball Burnishing for Post Machining Finishing Process, In Indian Journal of Applied Research, Volume : 3 | Issue : 6 | June 2013 | ISSN - 2249-555X
9. Effect of Welding Parameter on Micro Hardness Of Synergic MIG Welding of 304l Austenitic Stainless Steel, In International Journal Of Mechanical Engineering And Technology (IJMET) , ISSN 0976 – 6340 (Print), ISSN 0976 – 6359 (Online), Volume 4, Issue 3, May - June (2013), pp. 337-343
10. Study of Microstructure, Impact Strength on Manual Metal Arc Welding Of Gray Cast Iron Using Enife–Ci Filler Metal, **IOSR Journal of Engineering (IOSRJEN)** e-ISSN: 2250-3021, p-ISSN: 2278-8719 Vol. 3, Issue 7 (July. 2013), ||V3|| PP 37-42.
11. Effecton Surface Properties OF Mild Steel during Dry Turning& Wet Turning On Lathe, Materials Today: Proceedings 4 (2017) 7892–7902, ICAAMM-2016

**International
conference:**

1. Thermodynamic Analysis of BaCl₂-NH₃ Filled Adsorption Refrigeration System, International Conference on Smart Technologies for Mechanical Engineering, (STME-2013) at Delhi Technological University, Delhi India, 25-26 October, 2013.
2. Combustion Pressure Study of Ethanol Blended Gasoline Fuel in Spark Ignition Engine, **Dr B R Ambedkar National Institute of Technology Jalandhar-144011, india** Department of industrial and production engineering lvth international conference on production and industrial engineering, CPIE-2016
3. A study of various cooling technologies in refrigeration: A Review, international conference of advance research and innovation (ICARI-2018), ISBN-978-93-5279-880-3, PAPER ID: ICARI-ME-18-01-36.
4. Making skill India as an effective tool by creating Employment by reducing the working shift timing” 3rd international Conference on Advanced Production and Industrial Engineering, organized by (CAPIER) at Delhi Technological University, Delhi India during 5-6 October, 2018. Paper ID; ICAPIE-2018-IEM 404